

REMARKS

Claims 1-20 remain pending in the instant application. Claims 1-20 presently stand rejected. Claims 1, 8, and 15 are amended herein. Entry of this amendment and reconsideration of the pending claims are respectfully requested.

Claim Rejections – 35 U.S.C. § 102

Claims 1-12 and 15-20 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,182,203 B1 to Simar, Jr. et al. (hereinafter “Simar”).

A claim is anticipated only if each and every element of the claim is found in a single reference. M.P.E.P. § 2131 (citing *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628 (Fed. Cir. 1987)). “The identical invention must be shown in as complete detail as is contained in the claim.” M.P.E.P. § 2131 (citing *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226 (Fed. Cir. 1989)).

The Examiner indicated in the “Response to Arguments” that claims 8 and 15 did not limit the data memory, the instruction memory, and the coprocessors “coupled in parallel with each other” but rather “is broad enough to read on these elements being coupled in parallel to the inherent clock network....” *Office Action* mailed June 1, 2004, page 15, paragraph 57.

Amended independent claim 1 now recites, in pertinent part, “the control engine and the plurality of coprocessors coupled to receive a single instruction from the instruction memory in parallel.” Applicants respectfully submit that Simar fails to disclose this element. To be sure, Simar discloses

The program fetch 7a, instruction dispatch 7b, and instruction decode 7c units can **deliver** up to eight 32-bit instructions from the program memory 2 to **the functional units** every cycle.

Simar, col. 6, lines 64-67. Thus, Simar discloses that elements 7a, 7b, and 7c (the elements that the Examiner cites as corresponding to Applicants control engine) **deliver** instructions to the functional units. However, if fetch unit 7a, dispatch unit 7b, and decode unit 7c deliver instructions to the functional units, they cannot receive the instructions in parallel with the functional units. In short, fetch 7a, dispatch 7b, and

decode 7c are earlier in the data path (see FIG. 1 of Simar) and therefore do not receive instructions in parallel with the functional units.

Consequently, the Simar fails to disclose each and every element of claim 1, as required under M.P.E.P § 2131. Independent claims 8 and 15 now include similar novel elements as independent claim 1. Accordingly, Applicants request that the instant §102 rejections of claims 1, 8, and 15 be withdrawn.

Claim Rejections – 35 U.S.C. § 103

Claims 13 and 14 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Simar in view of U.S. Patent No. 5,548,587 to Bailey et al. (hereinafter “Bailey”).

“To establish prima facie obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. All words in a claim must be considered in judging the patentability of that claim against the prior art.” M.P.E.P. § 2143.03.

Dependent claims 2-7, 9-14, and 16-20 are patentable over the prior art of record for at least the same reasons as discussed above in connection with their respective independent claims, in addition to adding further limitations of their own. Accordingly, Applicants respectfully request that the instant §§ 102 and 103 rejections for claims 2-7, 9-14, and 16-20 be withdrawn.

CONCLUSION

In view of the foregoing amendments and remarks, Applicants believe the applicable rejections have been overcome and all claims remaining in the application are presently in condition for allowance. Accordingly, favorable consideration and a Notice of Allowance are earnestly solicited. The Examiner is invited to telephone the undersigned representative if the Examiner believes that an interview might be useful for any reason.

CHARGE DEPOSIT ACCOUNT


It is not believed that extensions of time are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a). Any fees required therefore are hereby authorized to be charged to Deposit Account No. 02-2666. Please credit any overpayment to the same deposit account.

Respectfully submitted,

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